

## 4.1 CM PHASING AND MILESTONES

### Guidance

*The author may choose to describe this section of the document using a combination of text and graphics, text only, or graphics only. This section should be tailored to describe CM activities within the current system development life cycles covered by this version of the plan. The sample text in this section describes typical activities.*

The purpose of this section is to ensure that CM activity is appropriate to the scope and timing of the [Project name] project activity.

Non software items will be version controlled by the author until the item is completed and then will be placed under more formal control (if appropriate as identified in Attachment 1).

Software elements will be version controlled by the developer until the item's initial development is completed (as determined by the developer – this may be upon a successful compile or unit test) when the element is then version controlled within the CM tool and under the control of the Project Manager. Upon the completion of the development phase the item is placed under CCB control.

Table 4-1 identifies the planned baselined items, when they will be baselined, and when they will be considered for revision by milestone in relation to project activity for [Project name]. Items marked with a "P" for the controlling organization are expected to be controlled by the Mission Projects CCB, otherwise it is controlled by the local CCB.

### Guidance

*This list contains elements found through initial development and all phases of a project. For a project already in operations and maintenance, the phases may be the same for the incremental changes, and the baselines may be fewer.*

*Create **your** list of **planned** baselined Items, see below for example. A list of actual baselined items is maintained on a regular basis in the DML. Actual baselines are defined in Version Description Documents and revision histories (for documents).*

TABLE 4-1. PLANNED CM BASELINES

| Baselined Items                | Org. | New Versions Planned by Phase |              |        |                |                |                    |            |
|--------------------------------|------|-------------------------------|--------------|--------|----------------|----------------|--------------------|------------|
|                                |      | Concept                       | Requirements | Design | Implementation | System Testing | Acceptance Testing | Operations |
| Product/Project Plan           | P    | •                             | •            |        |                |                |                    |            |
| Configuration Management Plan  | P    | •                             | •            |        |                |                |                    |            |
| Test Plan                      | P    | •                             | •            |        |                |                |                    |            |
| Software Requirements Document | P    |                               | •            | •      |                |                |                    |            |
| Simulator Design               | P    |                               |              | •      | •              | •              | •                  | •          |

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|---|------|-------------------------------|--------------|--------|----------------|----------------|--------------------|------------|
|   |      | Concept                       | Requirements | Design | Implementation | System Testing | Acceptance Testing | Operations |
| Simulator models  | P    |                               |              | •      | •              | •              | •                  | •          |
| Simulator Software  | P    |                               |              | •      | •              | •              | •                  | •          |
| Telemetry definitions, command definitions (Project controlled from the beginning of the I&T phase) | P    |                               |              | •      | •              | •              | •                  | •          |
| Software source code files, command files   |      |                               |              |        | •              | •              | •                  | •          |
| Build Generation Files (Make, Link, etc.)   |      |                               |              |        |                | •              | •                  | •          |
| Real-time O/S   |      |                               |              |        |                | •              | •                  | •          |
| Commands, Telemetry, Events, Tables   |      |                               |              |        |                | •              | •                  | •          |
| Development Tools (e.g., tools to build stored command loads, etc.)                                 |      |                               |              |        |                | •              | •                  | •          |
| Functional Design Documents   |      |                               | •            |        |                |                |                    |            |
| Detailed Design Documents   |      |                               |              | •      |                |                |                    |            |
| ICDs  |      |                               |              | •      |                |                |                    |            |
| Test Scenarios  |      |                               |              | •      | •              | •              | •                  | •          |
| Test Results  |      |                               |              |        | •              | •              | •                  | •          |
| Software Version Description Documents  |      |                               |              |        | •              | •              |                    |            |
| Unit Test Reports   |      |                               |              |        | •              | •              |                    |            |
| Build Test Procedures   |      |                               |              |        | •              | •              |                    |            |
| Build Test Reports  |      |                               |              |        | •              | •              |                    |            |
| Systems Test data files   |      |                               |              |        | •              | •              | •                  | •          |
| Build test verification matrices  |      |                               |              |        | •              | •              | •                  |            |
| Build test procedures   |      |                               |              |        | •              | •              | •                  | •          |
| Build test reports  |      |                               |              |        | •              | •              | •                  |            |
| Test Procedures   |      |                               |              |        |                | •              | •                  | •          |
| Test Data Supplied by External Organizations  |      |                               |              |        |                | •              | •                  | •          |
| Software Acceptance Test procedures   |      |                               |              |        |                |                | •                  |            |
| Software Acceptance Test Report   |      |                               |              |        |                |                | •                  | •          |
| Development Facility COTS Software  |      |                               |              |        | •              | •              | •                  | •          |
| Software test tools   |      |                               |              |        | •              | •              | •                  | •          |
| Test data files   |      |                               |              |        | •              | •              |                    |            |